

Work Order ID 140374

Friday, January 15, 2016 9:54:16 AM

140374

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Item ID: D212-761-224 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Wiring Harness Required & Optional Eagle Single

Start Date: 12/23/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/27/2016 Req'd Qty: 1.00 ***1*** Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D212-761-224	B								
100		0.00							
100									
Outsource8	Memo	0.00							
Outsource process- Eagle	ISSUE P.O TO EAGLE 30829 MAKE PER DWG Certificate of Conformity is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	RECEIVE AND INSPECT FOR TRANSIT DAMAGE ENSURE C OF C ATTACHED								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
42
9-89

JAN 15 2016

DAS
42
9-89

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DAS
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Item ID: D212-761-224

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Wiring Harness Required & Optional Eagle Single

Stop ***NS2***

Start Date: 12/23/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/27/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

JAN 15 2016

JAN 29 2016

U 1601-29

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D212-761-224

Required Qty: 1.00

[illegible]

8 7 6 5 4 3 2 1

LIST OF MATERIALS				
ITEM	QTY	PART NUMBER	DESCRIPTION	SUPPLIER
1	1	MS3121F14-15P	CONNECTOR, RECEPTACLE (J27)	
2	AR (30)	M39029/31-240	CONTACTS, PINS	
3	1	MS3126E14-15S	CONNECTOR, PLUG (P27A)	
4	AR (30)	M39029/32-259	CONTACTS, SOCKET	
5	1	MS3121F12-10P	CONNECTOR, RECEPTACLE (J29)	
6	1	MS3126E12-10S	CONNECTOR, PLUG (P29A)	
7	1	MS3121F12-10PW	CONNECTOR, RECEPTACLE (J238)	
8	1	MS3126E12-10SW	CONNECTOR, PLUG (P238A)	
9	1	LED-40-17-HK-35402	ANNUNCIATOR (MASTER CAUTION)	VIVISUN
10	1	LED-40-17-HK-35403	ANNUNCIATOR (LONG LINE ARM)	VIVISUN
11	1	LED-40-17-HK-35401	ANNUNCIATOR (ENGINE FIRE)	VIVISUN
12	3	18-200	QUICK-CONNECTOR, PLUG	VIVISUN
13	1	MS3474W20-41P	CONNECTOR, RECEPTACLE (J1006)	
14	AR (45)	M39029/4-110	CONTACTS, PINS	
15	1	MS3476W20-41S	CONNECTOR, PLUG (P1006)	
16	AR (50)	M39029/5-115	CONTACTS, SOCKETS	
17	2	M85049/52S-20W	BACKSHELL	
18	AR (2)	M39029/9-135	CONTACTS, PIN CHROMEL	
19	AR (2)	M39029/9-134	CONTACTS, PIN ALUMEL	
20	AR (2)	M39029/10-141	CONTACTS, SOCKET CHROMEL	
21	AR (2)	M39029/10-140	CONTACTS, SOCKET ALUMEL	
22	1	MS3471L12-10PW	CONNECTOR, RECEPTACLE (J150)	
23	3	M85049/52S-12N	BACKSHELL	
24	2	MS3476L12-10SW	CONNECTOR, PLUG (P150A,B)	
25	AR	MS3451W14S-5P	CONNECTOR, RECEPTACLE (J23)	
26	AR	M39029/29-212	CONTACTS, PINS	
27	AR	M85049/52S-14W	BACKSHELL	
28	AR	MS3456W14S-5S	CONNECTOR, PLUG (P23A,B)	
29	AR	M39029/30-218	CONTACTS, SOCKETS	
30	1	D3705-9	INSTRUMENT FACE PLATE	DART AEROSPACE

NEW WIRE / UNIT

EXISTING WIRE / UNIT

NOTES:

- ALL NEW UNSHIELDED WIRE USE M22759/41-xx-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED.
- ALL NEW TWISTED SHIELDED CABLE USE M27500-xx-SMKT23 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY/CODE ALL WIRES AND CABLES IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 3.
- KEEP ALL JUMPERS, SHIELD GNDs AND LOGIC STRAP WIRES AS SHORT AS POSSIBLE.
- KEEP ALL POWER AND CHASSIS GROUND WIRES AS SHORT AS POSSIBLE.
- ALL SPLICES MUST CONFORM TO MIL-S-81824, OR EQUIVALENT AND BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 4.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 4.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE CARRIED OUT PER BHT-ELEC-SPM CHAPTER 8.
- PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 5.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/sockets OR PLASTIC GROMMET SEALING PLUGS.
- ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE AND CABLE RUNS IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 6.
- REMOVE INDICATOR FROM CO-PILOT'S INSTRUMENT PANEL AND INSTALL IN VERTICAL REFERENCE DOOR.
- CUSTOMER SUPPLIED MATERIAL.
- A DOT (•) BEFORE A CONNECTOR CONTACT LETTER DENOTES LOWER CASE.

B	CHANGED PIN DESIGNATIONS FOR P/J1006	DJR	12.03.21
A	NEW ISSUE	KB	08.11.06
REV.	DESCRIPTION	BY	DATE
DESIGN	KB	DART AEROSPACE LTD	
DRAWN	DR	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KB	DRAWING NO.	REV. B
MFG. APPR.	GR	D212-761-224	SHEET 1 OF 3
APPROVED	GR	TITLE	SCALE
DE APPR.	GR	VRD - REQUIRED / OPTIONAL WIRING	NTS
DATE	12.03.21	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE, OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

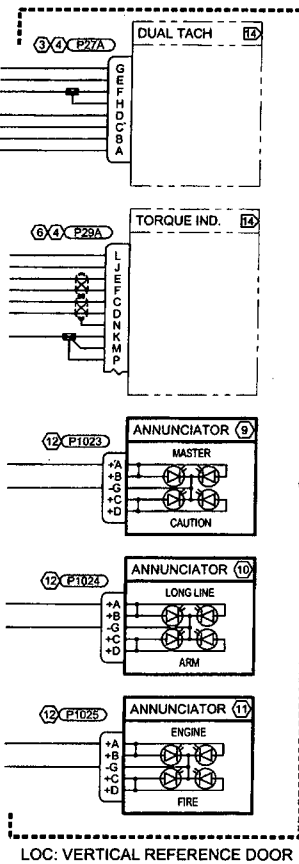
SEE D212-725-2-G2 FIGURE 98-22S (EFFECTIVE ON ALL S/N EXCEPT 30687, 30931,30576, 30817 & 30599)

SEE D212-725-2-G2 FIGURE 98-24S (EFFECTIVE ON ALL S/N EXCEPT 30687, 30931,30576, 30817 & 30599)

SEE D212-725-2-G2 FIGURE 98-36S (EFFECTIVE ON ALL S/N EXCEPT 30687, 30931,30576, 30817 & 30599)

SEE D212-725-2-G2 FIGURE 98-20S (EFFECTIVE ON ALL S/N EXCEPT 30687, 30931,30576, 30817 & 30599)

ELECTRICAL WIRING DIAGRAM
EAGLE SINGLE (EFFECTIVE ON ALL S/N EXCEPT
30687, 30931,30576, 30817 & 30599)
PART NUMBER: D212-761-224



DESIGN	JB	DART AEROSPACE LTD	
DRAWN	JR	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JB	DRAWING NO.	REV. B
MFG. APPR.	GR	D212-761-224	SHEET 2 OF 3
APPROVED	JB	TITLE	SCALE
DE APPR.	JB	VRD - REQUIRED / OPTIONAL WIRING	NTS
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SEE D212-725-2-G2 FIGURE 98-22S (EFFECTIVE ON ALL S/N EXCEPT 30687, 30931,30576, 30817 & 30599)

SEE D212-725-2-G2 FIGURE 98-22S (EFFECTIVE ON ALL S/N EXCEPT 30687, 30931,30576, 30817 & 30599)

ELECTRICAL WIRING DIAGRAM
EAGLE SINGLE (EFFECTIVE ON ALL S/N EXCEPT
30687, 30931,30576, 30817 & 30599)
PART NUMBER: D212-761-224

DESIGN	JB	DART AEROSPACE LTD	
DRAWN	JTX	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JB	DRAWING NO.	REV. B
MFG. APPR.	GR	D212-761-224	SHEET 3 OF 3
APPROVED	JB	TITLE	SCALE
DE APPR.	JB	VRD - REQUIRED / OPTIONAL WIRING	NTS
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Work Order Number: 52607

Build Vertical Reference Door Harness

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 1 Wiring Harness Required & Optional Eagle Single

Squawk: 1.1**Discrepancy:**Build Full Vertical
Reference Door**Resolution:**Vertical reference door
harness manufactured IAW
Dart Aerospace STC
SH09-4.

1.1 Work Done By: Clint Beattie (CBEATTIE)

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.**AMO 6-81** Signature: Clint Beattie (CBEATTIE) on 12/15/2015**Parts:**

Part Number	Description	Serial Number	Lot Number	Condition	Qty
MS3121F14-15P	CONNECTOR		LT-09-014360	New	1
MS3121F12-10P	CONNECTOR		LT-13-011911	New	1
LED-40-17-HK-35402	INDICATOR ASSEMBLY - MASTER CAUTION		LT-13-013158	New	1
LED-40-17-HK-35403	INDICATOR ASSEMBLY - LONGLINE ARM		LT-08-014145	New	1
LED-40-17-HK-35401	INDICATOR ASSEMBLY - ENGINE FIRE		LT-13-010136	New	1
MS3474W20-41P	CONNECTOR		LT-13-003242	New	1
M85049/52S-20W	BACKSHELL		LT-13-015438	New	2
M39029/9-134	CONTACT		LT-10-004969	New	2
M39029/10-141	CONTACT		LT-10-004970	New	2
M39029/10-140	CONTACT		LT-06-005959	New	2
M85049/52S-14W	BACKSHELL		LT-11-011889	New	1
MS3456W14S-5S	CONNECTOR		LT-15-006164.1	New	1
MS3476W14-15S	CONNECTOR W/O PINS		LT-15-009642	New	1
18-200	18-200 QUICK CONNECT PLUG		LT-15-009643	New	3
MS3476W20-41S	CONNECTOR		LT-15-009641	New	1
D3705-9	Panel		LT-15-009690	New	1
M22759/41-22-9	WIRE		LT-14-006568	New	200
M22759/41-20-9	WIRE		LT-14-014138	New	100
M27500-22TG2T14	ELEC CABLE		LT-12-013016	New	30
MS3476W12-10S	CONNECTOR		LT-15-009639	New	1
MS3476W12-10SY	CONNECTOR		LT-14-001997.1	New	1
M85049/52-1-12W	BACKSHELL		LT-10-003715.2	New	1
MS3476W12-10SX	CONNECTOR		LT-15-009924	New	1
M39029/10-140	CONTACT		LT-06-005959	New	1
M39029/10-141	CONTACT		LT-10-004970	New	1

***** Original Maintenance Releases and Independent Control Inspection details are stored electronically at *****

***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****

EAGLE COPTERS MAINTENANCE LTD.

823 McTAVISH ROAD N.E., CALGARY, ALBERTA T2E 7G9

D.O.T. APPROVAL No. **6-81**

Nomenclature **VERTICAL REFERENCE DOOR HARNESS**

Manufacturer Type/Model

Part No. **D212-761-224** Serial No. **N/A**

Total time: Work Order **52607**

T.S.O. Overhaul ☐ NEW ☐

Inspected ☒ Tested ☐ Repair ☐ Modification ☐ Removal ☐

Previous Certification

The maintenance described has been performed in accordance with the applicable standards of airworthiness.

28 JAN 16

DATE

[Signature]

NAME OR AUTHORIZED INSPECTOR



LIC. No. / STAFF

Details of outstanding work and other information on reverse.

MAINTENANCE RELEASE

Work Order ID 140374***140374***

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Wednesday, December 23, 2015 8:58:39 AM

Item ID: D212-761-224

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Wiring Harness Required & Optional Eagle Single

Start Date: 12/23/2015 Start Qty: 1.00

1

Cust Item ID:

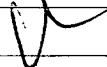
Required Date: 1/27/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: 

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D212-761-224

B

100

0.00

100

Outsource8

Outsource process- Eagle

Memo

ISSUE P.O TO EAGLE

MAKE PER DWG

Certificate of Conformity is required

0.00

u 15-12-13

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

RECEIVE AND INSPECT FOR TRANSIT DAMAGE

ENSURE C OF C ATTACHED

0.00

u 16-01-29

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Quality Control

Memo

0.00

1 40374

Wednesday, December 23, 2015 8:58:39 AM

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 12/23/2015 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 1/27/2016 **Req'd Qty:** 1.00 ***1***

Customer:

Reference:

Approvals: _____ **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

**Insp.
Stamp**

130 Identify as per dwg & Stock Location:_____

130

Packaging

Memo

Packaging

140

QC21- Final Inspection - Work Order Release

140

QC

Memo

Quality Control

Picklist Print

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Page 1

Work Order ID: 140374

140374

Parent Item: D212-761-224

D212-761-224

Parent Item Name: Wiring Harness Required & Optional Eagle Single

Start Date: 12/23/2015

Required Date: 1/27/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 13.01.16 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D212-761-224P		Purchased	No				Each	0.0000		1			
D212-761-224P									**				
Wiring Harness													